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APPLICANT(S): ROTH, Shmuel et al.
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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1. **(Currently amended)** A display for reproducing ~~an~~ a proofed image intended for printing on a substrate using a set of inks ~~, the image having a perceived color gamut when printed on said substrate~~, the display comprising:

a light source ~~to generating~~ generate light of a set of at least three primary colors; and

a controller ~~to combining~~ produce a light pattern corresponding to said proofed image by selectively controlling the path of the light of said at least three primary colors ~~the set of at least three primary colors to substantially reproduce said image,~~

wherein said at least three primary colors are selected to define a viewed color gamut which substantially covers said a perceived color gamut of said set of inks when printed on said substrate.

2. **(Original)** The display of claim 1 comprising a correction filter, the spectrum of the correction filter being based on the spectrum reflected from a type of said substrate.

3. **(Currently amended)** The display of claim 1 comprising a correction filter, the spectrum of the correction filter being based on the spectrum of an intended light used to view the proofed image when printed on said substrate.

4. **(Currently amended)** The display of claim 1 wherein the light source includes at least a plurality of ~~LEDs~~ light emitting diodes.

5. **(Currently amended)** The display of claim 1, wherein the light source includes at least:

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a polychromatic source to generate polychromatic light; and

a color wheel filtering mechanism to generate at least three light beams of said at least three primary colors, respectively, by filtering said polychromatic light.

6. (Currently amended) The display of claim 1, wherein said at least three primary colors comprise the light source is able to produce at least four primary colors.

7. (Currently amended) The display of claim 1, wherein the light source produces light of three primary colors, the transmission spectra of which define said viewed color gamut.

8. (Original) The display of claim 1 comprising a spatial light modulator.

9. (Original) The display of claim 1 comprising a digital micro-mirror device.

10. (Currently amended) A method for reproducing ~~an a proofed~~ image intended for printing on a substrate using a set of inks, ~~the image having a perceived color gamut when printed on said substrate,~~ the method comprising:

accepting data corresponding to said proofed image;

converting said data into data corresponding to a set of at least three primary colors;

selectively producing light of said at least three primary colors; and

combining the light of said at least three primary colors to substantially reproduce said proofed image,

wherein said at least three primary colors are selected to define a viewed color gamut which substantially covers said a perceived color gamut of said set of inks when printed on said substrate.

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11. **(Original)** The method of claim 10 wherein converting said data comprises converting the data using a conversion matrix.

12. **(Original)** The method of claim 10 comprising passing light through a correction filter, the spectrum of the correction filter being based on the spectrum reflected from a type of said substrate.

13. **(Original)** The method of claim 10 comprising passing light through a correction filter, the spectrum of the correction filter being based on the spectrum of an intended light source used to view said proofed image when printed on said substrate.

14. **(Currently amended)** The method of claim 10, wherein producing light of said at least three primary colors comprising comprises passing light through a color wheel.

15. **(Previously presented)** The method of claim 10, wherein said at least three primary colors include a red primary color, a green primary color and a blue primary color, the transmission spectra of which define said viewed color gamut.

16. **(Original)** The method of claim 10 comprising spatially modulating the light of said at least three primary colors.

17. **(New)** The device of claim 5, wherein said color filtering mechanism is adapted to sequentially place at least three color filters corresponding to said at least three primary colors, respectively, in the path of said polychromatic light.

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18. (New) The device of claim 1, wherein said controller controls the path of the light of said at least three primary colors based on image data representing the proofed image in terms of said at least three primary colors.